

# Robson Lapina

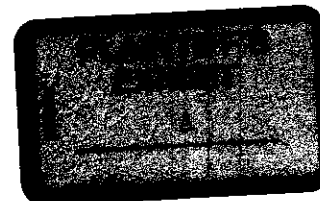
Forensic Engineers, Architects, Scientists & Fire Investigators

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GABRIEL G. ALEXANDER, P.E.  
Mechanical Engineer



## PROFESSIONAL EXPERIENCE

- 3/99 to present **Robson Lapina, Inc.**  
*Associate, Manager of Pittsburgh Office*  
Provide technical investigations, analysis, reports, and testimony for failure analysis, and towards the resolution of commercial and personal injury litigation involving trucks, trailers, mechanical engineering and crash reconstruction.
- 1997 to 3/1999 **True Temper Hardware**, manufacturer of lawn and garden tools  
*Manager of Design Engineering*  
Responsible for all design engineering functions including new product development, product implementation, and patent applications. Products: shovels (plastic and metal), wheelbarrows, hoes, forks, scoops, tree trimmers, and general pruning tools. Develop Failure Modes and Effects Analysis (FMEA) procedure and plan for company-wide use.
- 1996 to 1997 **Trans Air Manufacturing**, air conditioning systems for trucks and buses  
*Director of Engineering*  
Responsible for all engineering functions. Products: air conditioning systems for transportation, components include compressor mountings and brackets, condenser units, evaporator units, roof top mounted air conditioning units, and rear deck mounted air conditioning units. Work included analyzing and reconfiguring truck belt drives for compressors and fans.
- 1993 to 1996 **Kidron, Inc.**, manufacturer of truck bodies, trailers, fire truck and utility vehicle cabs  
*Manager of Engineering*  
Responsible for all engineering functions: Production Engineering, Product Engineering, R & D, Warranty Department, and Quality Control. Products: truck bodies and refrigerated trailers, mini trailer, drop deck trailer, step van, rear drop, and container body.
- 1992 to 1993 **Stewart & Stevenson Inc.**, manufacturers of trucks and trailers  
*Project Engineer*  
Products: military and commercial trucks, trailers, truck components, a 2 1/2-5 ton truck family (utility truck, tow truck, ambulance, tanker, expandable van, etc.) Design activities included: optimizing suspension components, tire size, spring rate, damping rate, anti sway bar stiffness and overall suspension geometry's; all R & M (Reliability and Maintainability) activities; brake systems, exhaust systems, and cargo beds.

02/06/02

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## GABRIEL G. ALEXANDER, P.E. Mechanical Engineer

- 1989 to 1992 **Great Dane Trailers**, manufacturers of semi-trailers  
*R & D Project Engineer*  
Responsible for the development of trailer and component designs and testing.  
Responsible for all finite element analysis work. Products: refrigerated trailers, dry freight trailers, flat bed trailers, containers, container chassis.
- 1986 to 1989 **Shell Development Company**  
*Engineer, Polymeric Materials Department*  
Fabrication and mechanical testing of composite materials. Designed novel test apparatus.
- 1980 to 1986 **Hydril Company**, manufacturers of oil field equipment  
*Design Engineer*  
Worked on R & D projects. Equipment: flow diverters, marine riser, anti-collapse valves, and blow-out preventers.

### PATENTS

Foot Support - D412,093  
Marine Riser Anti-Collapse Valve - 4,719,937  
Diverter/BOP - 4,646,844  
Diverter/BOP - 4,597,447  
Diverter/BOP - 4,524,832  
Flow Diverter - 4,456,061

### PROFESSIONAL CREDENTIALS

Professional Engineer: Ohio, Pennsylvania

### EDUCATION

B.S. in Mechanical Engineering, University of Houston

#### *Continuing Coursework*

Advanced Dynamics  
Advanced Mechanics of Materials  
Advanced Vector Analysis  
Vehicle Suspension Analysis, seminar  
Heavy Vehicle Crash Reconstruction  
Heavy Vehicle Rollover Prevention Analysis and Reconstruction

### PROFESSIONAL MEMBERSHIPS

Society of Automotive Engineers  
American Society of Metals  
American Society of Mechanical Engineers

02/06/02

**Gabriel G. Alexander, P.E.**

**DEPOSITIONS (as of 1/20/2003)**

- 1) Rondal D. Charles v. Coal Power Coal Company, Inc., Melvin W. Powers, Adams Manufacturing Co., Inc., and Wyoming Trucking Co., Inc.  
Civil Action 99-C-45  
Circuit Court of Wyoming County, West Virginia  
2/18/2000 Baltimore, MD
- 2) Liberty Mutual Insurance Co., et al. v. Ashland Chemical, Inc.  
Case No. A990291  
Common Pleas Court of Hamilton County, Ohio  
6/6/2000 Columbus, OH
- 3) Stachow v. Todco, Inc et. al.  
Civil Action L-8970-97  
Superior Court of New Jersey Law Division Middlesex County  
9/26/2000 Carlisle, PA
- 4) Joaquim Nascimento and Ofelia Nascimento v. Weldon Materials, Inc., and Vector E. Legg  
Civil Action MID-L-5709-98  
Superior Court of New Jersey- Middlesex County  
12/15/2000 New Brunswick, NJ
- 5) Roger Cleworth et. Al v. General Truck Equipment et. Al.  
Case No. 99-05659-CA  
Fourth Judicial Circuit, in and for Duval County, Fl.  
2/28/2001 Jacksonville, Fl.
- 6) Davis Transportation v. Freightliner Corp  
Civil Action No 2:99cv320(P)(G)  
United States District Court For The Southern District of Mississippi Hattiesburg Division  
4/17/2001 & 4/17/2001 Pittsburgh, PA
- 7) Bennington v. Novik  
Civil Action No. 00-C-104M  
Circuit Court of Marshall County, West Virginia  
5/3/2001 Wheeling, West Virginia
- 8) Harold v. TSC Transport et. Al.  
Civil Action CAL 99-09853  
Circuit Court For Prince George's County, Maryland  
5/11/2001 Pittsburgh, PA

- 9) Brennan v. Navistar  
Docket No. L-003114-99  
Superior court of New Jersey  
5/24/2001 Edison, New Jersey
- 10) Futia v. Volvo & Leach Co.  
Index No. 99CIV12264  
US District Court Southern District of New York  
6/26/2001 White Plains, New York
- 11) Herrington v. Utility Manufacturing, Inc.  
Cause No. 98-L-51  
Circuit Court of Marion County, Illinois Fourth Judicial Circuit  
6/28/2001 Pittsburgh, PA
- 12) Paoline v. Kilgo Trucking & Lufkin Industries, Inc  
No. 00-CV-956  
United States District Court For The Eastern District of Pennsylvania  
7/20/2001, Pittsburgh, PA.
- 13) Garcia v. Fleetwood Travel Trailers & Reese Hitch.  
Case No. 327677  
Superior Court Of The State Of California For The County Of Riverside.  
7/26/2001 & 7/27/2001 in Torrance CA.  
8/20/2001 & 8/21/2001 in Riverside CA.
- 14) David Kuzmich v. Bowers Contracting Co. Inc. & Terex Corp.  
Civil Action 5:00-CV-41  
United States District Court For The Northern District of West Virginia  
10/10/2001, Pittsburgh, PA.
- 15) Thompson v. Monroe Truck Equipment, Inc. and Bartlett Lifting Devices, Inc.  
Civil Action No. 98-CI-90009  
Commonwealth of Kentucky 21<sup>st</sup> Judicial Circuit Montgomery Circuit Court  
11/19/2001, Pittsburgh, PA.
- 16) Clements v. General Motors et al.  
Case Number CV 00-1537-WHR  
In The Circuit Court Of Blount County, Alabama  
2/13/2002, Birmingham, Al.
- 17) Mansfield v. Vermont Mack Truck Inc.  
Docket No. 744-11-00  
Washington Superior Court, Vermont  
4/15/2002, Cranberry Twp, PA

- 18) **Keesee et al. v. General Refuse Service, Inc. and Martco Co.**  
Civil Action No. 99-C-0761  
In The Circuit Court of Cabell County, West Virginia  
6/13/2002, Charleston, WV.
- 19) **Beal v. Decato Brothers Inc. Et Al.**  
Civil Action No. 99-C-187  
In The Circuit Court Of Harrison County, West Virginia.  
6/18/2002 Clarksburg, WV.
- 20) **Evans v. Bri-Mar Manufacturing LLC.**  
Case No. CL 9913-00  
In The Circuit Court For The County Of Bedford, Virginia.  
6/25/2002, Pittsburgh, PA.
- 21) **Watkins v. J.G. Johnson Farms, Inc., and Willie L. Winfield**  
Case No. CV301-189CC  
In The Circuit Court of Scott County Division III, Missouri  
8/26/2002, Sikeston Mo.
- 22) **Kojo Oscitutu v. Grimes Tire & Auto Service Inc.**  
Case No. 24-C-01-003590  
In The Circuit Court For Baltimore City  
9/16/2002, Pittsburgh, PA
- 23) **Lorenza White v. Volvo Trucks of North America, Inc, TRW, Inc.**  
Civil Action Number 01-A-1525-E  
In The United States District Court For The Middle District Of Alabama Eastern  
Division  
11/12/2002, Birmingham, AL
- 24) **Thomas Allen Hazelton and Eugenia Hazelton v. Janice Miljonovich and C & R  
Grading Company**  
Civil Action No. 01-C-229  
Circuit Court of Wyoming County, West Virginia  
11/22/2002, Charleston, WV.

TRIALS AND HEARINGS (as of 1/20/2003)

- 1) David Kuzmich v. Bowers Contracting Co. Inc. & Terex Corp.  
Civil Action 5:00-CV-41  
United States District Court For The Northern District of West Virginia  
11/5&6/2001, Wheeling, WV.
- 2) Kathy Joan Kiser v. Scott Bachman and Township of Center.  
Civil Action A.D. No 97-10462  
Court of Common Pleas of Butler County, Pennsylvania.  
1/4/2002, Butler, PA.
- 3) Penn Lyon Homes, Inc. v. Bennett Truck Transport L.L.C.  
Civil Action No. 404-2000  
In the Court Of Common Pleas Of Snyder County Pennsylvania  
5/8/2002 & 6/10/2002, Snyder County, PA.
- 4) Davis Transportation v. Freightliner Corp  
Civil Action No 2:99cv320(P)(G)  
United States District Court For The Southern District of Mississippi Hattiesburg  
Division  
9/17/2002 Hattiesburg, MS
- 5) Kojo Oseitutu v. Grimes Tire & Auto Service Inc.  
Case No. 24-C-01-003590  
In The Circuit Court For Baltimore City  
10/2/2002 & 10/4/2002, Baltimore, MD
- 6) Keesee et al. v. General Refuse Service, Inc. and Martco Co.  
Civil Action No. 99-C-0761  
In The Circuit Court of Cabell County, West Virginia  
10/30/2002, Huntington, WV
- 7) William Norris v. Hyster  
Index No. 29812/94  
Supreme Court of the state of New York County of Kings  
1/14/2003, NYC, New York